

June 14, 2023

RAPID SETTING PATCH MATERIALS

Specification Reference:

Part I: 901.07, 722.07 & 509.03

Part II: 901.08 & 710.02

SM Material Code:

Part I: 901M00150

Part II: 901M00155

Source Code	Manufacturer Product Name
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Approval Number	Comments
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All RSP products need to be placed and cured in accordance with the manufacturer's recommendations.

If applying material below 40°F, must follow the cold weather concreting procedure outlined in ACI 306; or, at temperature above 85°F, must follow the hot weather concreting procedure outlined in ACI 305.

Part I: PRODUCTS FOR BRIDGE DECK REPAIR  
and  
PARTIAL DEPTH JOINT REPAIR OF PCCP

Specification reference: 901.07, 722.07 & 509.03

SM Material Code: 901M00150

Rapid setting patch materials for bridge deck and partial depth joint repairs shall be in accordance with ASTM C928 with the INDOT exceptions.

9550	BINDAN CORP----- MONO-PATCH	W028590	SELF LEVELING HOT WEATHER
9550	BINDAN CORP----- MONO-PATCH	W028591	SELF LEVELING NORMAL WEATHER
9578	CTS CEMENT----- RAPID SET DOT CONCRETE MIX  Limitations: Hot weather use limited to 90°F	W178590	
9578	CTS CEMENT----- RAPID SET DOT REPAIR MIX  Limitations: Hot weather use limited to 90°F	W178595	
9564	DAYTON SUPERIOR ----- HD 50  Limitations: Do not apply at temperatures below 40°F without following the cold weather concreting procedures outline in ACI 306	W138591	
9581	MAPEI CORP. ----- PLANITOP 18 ES  Limitations: use at ambient temperature between 45°F and 95°F	W178598	

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Source Code	Manufacturer Product Name	Approval Number	Comments
9581	MAPEI CORP. ----- PLANITOP 18 TG	W228590	
	Limitations: use at ambient temperature between 32°F to 95°F		
9554	MASTER BUILDERS SOLUTIONS,LLC ----- MASTEREMACO T 1060	W028593	
	Limitations: the recommended application range is from 40°F to 85°F		
9554	MASTER BUILDERS SOLUTIONS,LLC ----- MASTEREMACO T 1061	W028592	
	Limitations: the recommended application range is from 50°F to 85°F		
9514	SIKA CORPORATION ----- SIKACRETE-421 CI RAPID	W218591	
	Limitations: the recommended application at temperature above 40°F.		
9514	SIKA CORPORATION ----- SIKAQUICK-1000	W218590	
	Limitations: the recommended application range is from 40°F to 95°F		
9553	SPECICHEM ----- REPCON 928	W188590	
	Limitations: the recommended application range is from 55°F to 90°F		
9549	U.S. GYPSUM CO ----- DURACAL AG - DELAYED SET TIME	W028596	
	Limitations: Use at ambient temperature between 45°F and 95°F.		
9549	U.S. GYPSUM CO ----- DURACAL	W028597	
	Limitations: application, surface and slurry, must be at minimum temperature of 32°F.		

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9584	US MIX CO.----- TRANSPATCH CONCRETE	W208590	
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Limitations: the recommended application  
range is from 40°F to 90°F.

9568	WESTERN MATERIAL & DESIGN, LLC ----- FASTRAC 246 CONCRETE	W138590	
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Limitations: Hot weather use limited to 90°F.

Part II: PRODUCTS FOR SUBSTRUCTURE OR VERTICAL/OVERHEAD REPAIRS

Specification reference: 901.08 & 710.02

SM Material Code: 901M00155

All packaged products for patching concrete structures shall be in accordance with ASTM C387 and with the INDOT exceptions (in 901.08) and used in accordance with 710.

*Packaged patching products shall be applied to the specific locations recommended by the manufacturer: vertical, overhead or horizontal (form and pour).*

*Packaged patching products containing magnesium phosphate or calcium aluminate cement shall not be used.*

9578	CTS CEMENT----- CTS 24/6 CONCRETE MIX	W228500	
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Limitations: The recommended application range is  
from 45° to 90°F

9578	CTS CEMENT----- RAPID SET MORTAR MIX PLUS	W218510	
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Limitations: Hot weather use limited to 90°F.

9578	CTS CEMENT----- RAPID SET MORTAR MIX	W218511	
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Limitations: Hot weather use limited to 90°F.

9578	CTS CEMENT----- RAPID SET V/O REPAIR	W218512	
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Limitations: Hot weather use limited to 90°F.

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Part II: 901M00155

Source Code	Manufacturer Product Name	Approval Number	Comments
9564	DAYTON SUPERIOR CO----- CIVIL/STRUCTURAL VO	W218513	
	Limitations: Minimum application temperature is 40°F.		
9564	DAYTON SUPERIOR CO----- HD 50	W138591	
	Limitations: For applications below 45°F best results obtained by warming material, water & substrate.		
8268	EUCLID CHEMICAL CO----- EUCOREPAIR V100	W218514	
	Limitations: Minimum application temperature is 45°F. For optimum results, condition material to 65°F to 85°F at least 24 hours prior to use.		
8268	EUCLID CHEMICAL CO----- EUCOCRETE	W218515	
	Limitations: Do not apply at temperatures below 45°F		
8268	EUCLID CHEMICAL CO----- SPEED CRETE PM	W218516	
	Limitations: Minimum application temperature is 45°F.		
8268	EUCLID CHEMICAL CO----- VERSASPEED 100	W218517	
	Limitations: The application temperature range is 35 to 85°F.		
9581	MAPEI CORP.----- PLANITOP 23	W218518	
	Limitations: the recommended application range is from 40°F to 85°F.		
9581	MAPEI CORP.----- PLANITOP X	W218519	
	Limitations: the recommended application range is from 55°F to 85°F.		

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Source Code	Manufacturer Product Name	Approval Number	Comments
9554	MASTER BUILDERS SOLUTIONS, INC----- MASTEREMACO S 440	W218508	
	Limitations: the recommended application range is from 40°F to 90°F.		
9554	MASTER BUILDERS SOLUTIONS, INC ----- MASTEREMACO S 488 CI	W218509	
	Limitations: the recommended application range is from 50°F to 85°F.		
1761	THE QUIKRETE COMPANIES, LLC ----- FASTEST REPAIR MORTAR	W238506	
	Limitations: Mix no more than can be used in 15 minutes.		
1761	THE QUIKRETE COMPANIES, LLC ----- QUIKRETE FORM & POUR CONCRETE MIX MS	W238503	
	Limitations: Concrete should be protected from freezing during the first 48 hours.		
9514	SIKA CORPORATION----- SIKACRETE 211 SCC PLUS	W218521	
	Limitations: Minimum application temperature is 45°F.		
9514	SIKA CORPORATION ----- SIKACRETE-421 CI RAPID	W218591	
	Limitations: the recommended application at temperature above 40°F.		
9514	SIKA CORPORATION----- SIKAQUICK VOH	W218522	
	Limitations: Minimum application temperature is 45°F.		
9553	SPECICHEM----- REPCON 928	W188590	
	Limitations: the recommended application range is from 55°F to 90°F.		

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Source Code	Manufacturer Product Name	Approval Number	Comments
9589	SPECCO INDUSTRIES----- SPECCOPATCH RS (V/O)	W218523	
	Limitations: the recommended application range is from 40°F to 90°F.		
9584	US SPEC a Division of US MIX Co.----- Quickset	W218524	
	Limitations: the recommended application range is from 40°F to 90°F.		
9568	WESTERN MATERIAL & DESIGN, LLC ----- FASTRAC 246 CONCRETE	W138590	
	Limitations: Hot weather use limited to 90°F.		
9603	W.R. MEADOWS, INC----- MEADOW-CRETE GPS	W218520	
	Limitations: the recommended application range is from 40°F to 90°F.		